

# Chenyang Lu

Department of Electrical Engineering

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## Education

- Eindhoven University of Technology**, Eindhoven, the Netherlands 03/2018-Present  
*Ph.D.* in Computer Vision and Perception
- Eindhoven University of Technology**, Eindhoven, the Netherlands 09/2016-03/2018  
*M.S.* in Control System Technology GPA: 8.96/10.00
- Granted ALSP/HS scholarship (fully-funded)
  - Cum Laude (highest in the Netherlands)
- Zhejiang University**, Zhejiang, China 09/2013-06/2017  
*B.S.* in Mechatronics Engineering GPA: 3.92/4.00
- Mixed Honors Class in Chu Kochen Honors College
  - Top 3.5% out of 188 students in Mixed Honors Class
  - Top 2% out of 79 students in Mechatronics Engineering
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## Publications (\*: corresponding author)

1. Panagiotis Meletis\*, Xiaoxiao Wen, **Chenyang Lu**, Daan de Geus, and Gijs Dubbelman. **Cityscapes-Panoptic-Parts and PASCAL-Panoptic-Parts datasets for Scene Understanding**. arXiv preprint arXiv:2004.07944.
  2. **Chenyang Lu\***, Gijs Dubbelman. **Semantic Foreground Inpainting from weak supervision**. IEEE Robotics and Automation Letters, vol. 5, no. 2, pp. 1334-1341, 2020. (also presented in ICRA'20)
  3. **Chenyang Lu\***, Gijs Dubbelman. **Learning to complete partial observations from unpaired prior knowledge**. Pattern Recognition, vol. 107, 107426, 2020.
  4. **Chenyang Lu\***, Marinus Jacobus Gerardus van de Molengraft, Gijs Dubbelman. **Monocular Semantic Occupancy Grid Mapping with Convolutional Variational Encoder-Decoder Networks**. IEEE Robotics and Automation Letters, vol. 4, no. 2, pp. 445-452, 2019. (also presented in ICRA'19)
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## Project Experience

- 03/2018-Present      Sensing, Mapping, and Localization (Project i-CAVE)
- Funded by Netherlands Organization for Scientific Research (NWO)

- 08/2017-03/2018      Semantic Occupancy Grid Map Generation for Autonomous Vehicles with Deep Learning
- Master Thesis in Mobile Perception Systems Group, TU/e
- 01/2017-06/2017      Object Recognition and Positioning with the Kinect Camera for Robocup Middle Size League
- Internship at Robocup MSL team, Robotics Lab, TU/e

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## Services

Reviewer for    Engineering Applications of Artificial Intelligence,  
IEEE Transactions on Industrial Informatics

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## Teaching

- 2019-GS4              [5AUA0] Advanced Sensing using Deep Learning, project supervisor
- 2018-GS4              [5AUA0] Advanced Sensing using Deep Learning, project supervisor
- 2018-GS3              [5LSM0] Convolutional neural networks for computer vision, TA

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## Awards, Scholarship, Achievements

- 2018                    Cum Laude (MSc Degree)
- 2016                    ALSP/HS Scholarship from TU/e and Dutch Ministry of Education, Culture, and Science
- 2016                    Festo (China) Scholarship for Undergraduate Students
- 2015                    Second Prize in the National Mechanics Competition
- 2015                    First Class Scholarship for Outstanding Merits (Top 3% in Zhejiang Univ.)
- 2015                    Liebherr (China) Scholarship for Undergraduate Students
- 2014                    Second Prize in Physics Innovation Contest in Zhejiang Province
- 2014                    First Class Scholarship for Outstanding Merits (Top 3% in Zhejiang Univ.)